

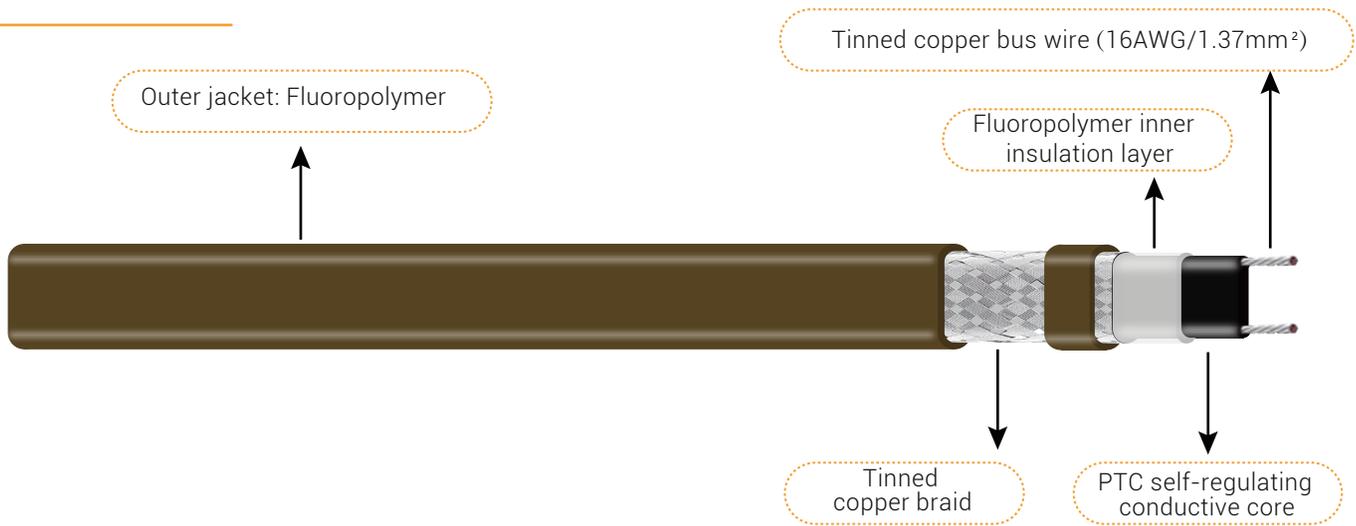


## HTP middle temperature self-regulating heating cable

### Overview:

Jiahong HTP middle temperature self-regulating heating cable can be used for freeze protection application and process temperature maintenance within/out steam purge (or the steam purge temperature will be lower than 135°C) in industry area. The maximum maintenance temperature will be up to 110°C. No matter whether the pipeline is overhead or buried installation, HTP heating cable can maintain the temperature and phase structure of the medium in the pipeline or vessel. HTP heating cable is certified by NEPSI (China), EAC(Russia) and IECEx and ATEX for ex-proof application, as well as to be used in the area which is defined according relative standard.

### Product Structure:



The extruded core tape, which made by parallel tinner copper bus wire and PTC semiconductor polymer heating material, and inner insulation layer of fluoropolymer are added to tinned copper braid and the outer jacket form a complete structure of HTP heating cable, in which the outer jacket can be made of fluoropolymer material (CT).

### Product Feature:

- ◆ HTP heating cable is certified by IECEx, ATEX, NEPSI (China) and EAC (Russia), including explosion-proof application, which can be used in the explosion area and ordinary safety area.
- ◆ According to the characteristics of automatic adjustment of power output based on ambient temperature, it can avoid overheating or burning on heating cable even in the case of overlapping installation; Simultaneously this feature can increase the efficiency of the heat tracing system and reduce energy consumption
- ◆ It is allowed to cut arbitrarily within the interval specified by the maximum circuit length and connect with compliance accessories
- ◆ It has a complete series of accessory, including standard power box, splice/tee connection box and end seal box etc, which can ensure the long service life of the product



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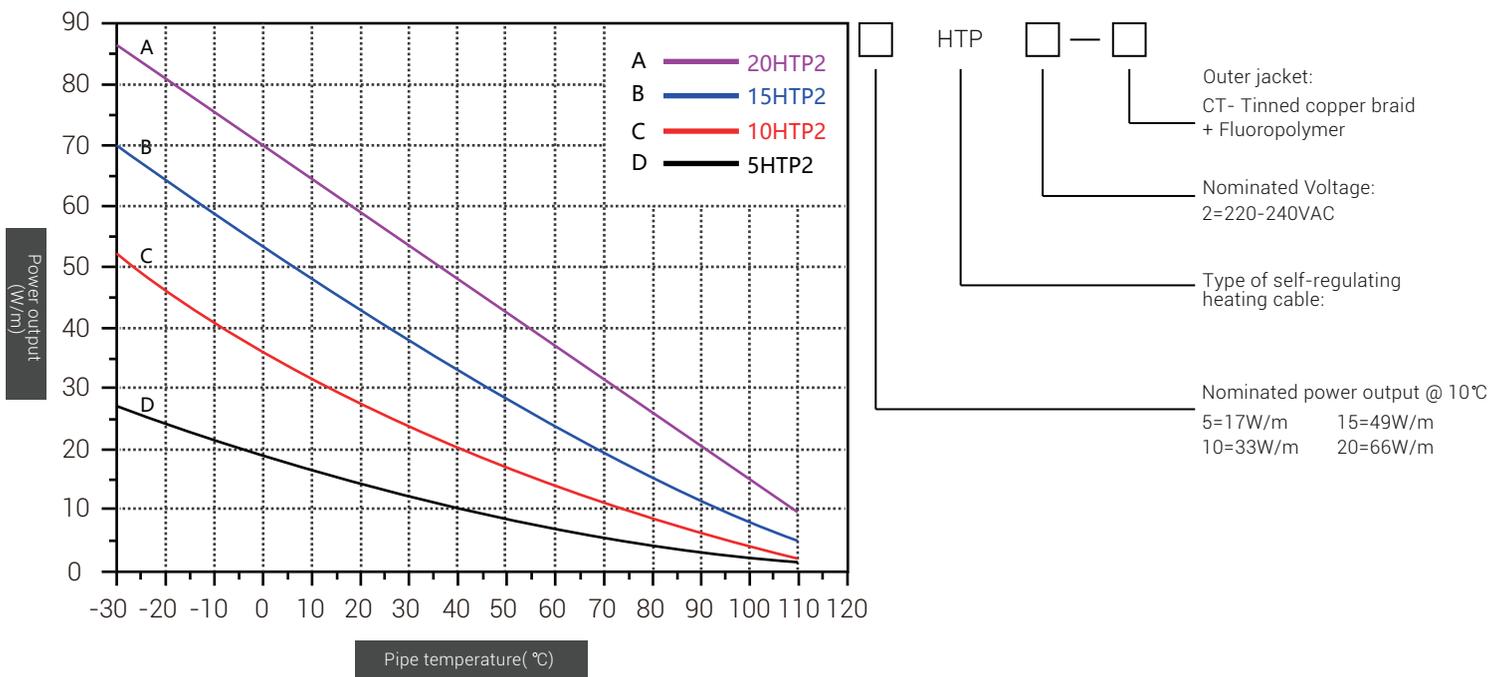




### Technical Specification:

Nominated Voltage:	230V (HTP2)
Maximum maintince temperature:	+110°C (225°C)
Maximum intermittent exposure temperature:	+135°C (275°F)
Temperature classification:	T4
IP level:	IP66/67
Minimum installation temperature:	-60°C (-76°F)
Minimum bending radius:	30mm
Nominated power output @10°C:	17W/m、33W/m、49W/m、66W/m
Dimension:	CT: 12.36mm(W)×4.76mm(T)
Approvals mark:	    

### Power output curve:



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## 230V voltage level:

Circuit breaker size(A)	Start-up temperature (°C)	Maximum circuit length (m) (Type C circuit breaker based on IEC 60898 standard)			
		5HTP2	10HTP2	15HTP2	20HTP2
16	10	125	92	62	43
	0	116	86	58	39
	-10	107	79	53	36
	-20	98	72	49	33
	-40	85	63	42	28
20	10	148	115	77	53
	0	145	107	72	48
	-10	133	98	66	44
	-20	123	91	61	41
	-40	107	79	53	36
25	10	167	118	95	75
	0	167	118	90	68
	-10	167	118	83	63
	-20	167	113	76	58
	-40	155	98	66	50
32	10	167	118	95	83
	0	167	118	95	76
	-10	167	118	95	69
	-20	167	118	95	64
	-40	167	118	85	56
40	10	167	118	95	85
	0	167	118	95	85
	-10	167	118	95	85
	-20	167	118	95	82
	-40	167	118	95	71

### Description:

1. The maximum circuit length shown is in accordance with IEC 60898, with Type C circuit breakers as standard, at reference start-up temperature and 10°C. Experimental data obtained from instantaneous trip current characteristics under maintenance temperature conditions. For the maximum loop length corresponding to other trip current characteristics or other types of circuit breakers, please contact the technical representative of Jiahong Company.

2. Although the heat tracing system is generally used to maintain the medium in the pipe or vessel at the required temperature level, the self-regulating heat tracing cable may be at a lower temperature level when it is energized. For design data when the starting temperature is lower than the above temperature, please contact the technical representative of Jiahong Company.

3. Maximum loop length refers to the continuous length of the heating cable, not the sum of the lengths of multiple sections. Relating to current load for each section, please contact the technical representative of Jiahong Company.



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